The IMPACT Public-Facing Website

OpenAir

Purpose: This guidance was created to assist users of *OpenAir*, the IMPACT Public-Facing Website.



https://openair.wyo.gov



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Overview

Acronyms List

AQD – Air Quality Division

BACT – Best Available Control Technology

CEM – Continuous Emission Monitor

CFR – Code of Federal Regulations

CMS – Continuous Monitor System

COM – Continuous Opacity Monitor

EU – Emission Unit

GHGs – Greenhouse Gases

HAPs – Hazardous Air Pollutants

IMPACT – Inventory Monitoring, Permitting, And Compliance Tracking System

LAER – Lowest Achievable Emission Rate

NESHAP – National Emission Standards for Hazardous Air Pollutants

NSPS – New Source Performance Standards

NSR – New Source Review

PDF – Portable Document Format (Adobe Acrobat)

PSD – Prevention of Significant Deterioration

PTE – Potential to Emit

SCC – Source Classification Code

UGRB – Upper Green River Basin

WAQSR – Wyoming Air Quality Standards and Regulations

WYVISNET – Wyoming Air Quality Monitoring Network

ZIP – File format that may contain one or more files that have been compressed

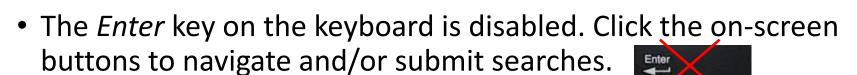
IMPACT Public-Facing Website Viewing Summary

Public-Facing Website Users Can View:

- Submitted New Source Review (NSR) Permit Applications
- Submitted Title V Permit Applications
- CEM/COM/CMS Information
- Reviewed Compliance Reports
- Facility Equipment
- Approved Emissions Inventories
- Facility Ownership
- Reviewed Stack Tests
- Ambient Monitoring Information
- NSR and Title V Permits

Public-Facing Website - Access

- https://openair.wyo.gov
- Items to Note:
 - Google Chrome or Mozilla Firefox are the recommended web browsers for viewing data within the IMPACT Public-Facing Website.
 - The *Back* button on the web browser is disabled.



• Make sure pop-up windows are enabled for the website.



Version 9.5 | Build ID: 21.0.0

The WDEQ Air Quality IMPACT Public Website Disclaimer:

This tool allows you to search the Wyoming Air Quality Division's IMPACT database. Improper or incorrect use of this tool may cause unexpected or inaccurate results. Although every attempt is made to ensure that the information contained in the database is accurate, the Wyoming Department of Environmental Quality (DEQ) is not responsible for any loss, consequence, or damage resulting directly or indirectly from reliance on the accuracy, reliability, or timeliness of the information that is contained in this database. Users assume the entire risk of using the data contained in IMPACT. DEQ is providing this data "as is;" and no warranty expressed or implied is made, including (without limitation) any implied warranties of merchantability or fitness for a particular purpose. In no event will DEQ be liable to any user or third party for any direct, indirect, incidental, consequential, special, or exemplary damages or lost profit resulting from any use or misuse of this data. Additional information concerning the accuracy and appropriate uses of this data may be obtained from the point of contact for the IMPACT database. The point of contact can be found at:

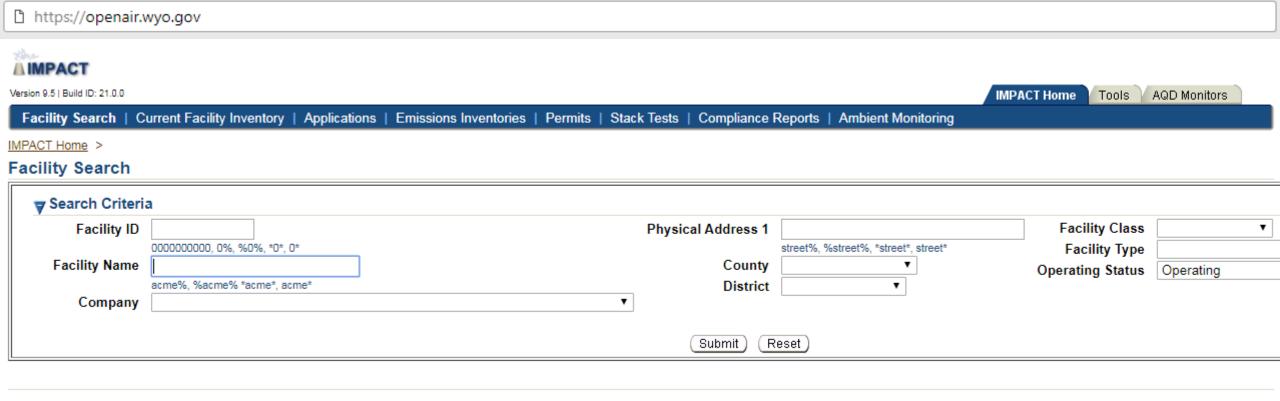
http://deq.wyoming.gov/aqd/impact-system/

The Disclaimer page is the first page of the Public-Facing Website.

If you agree to the disclaimer, you will be able to access State of Wyoming public air quality data.

A point of contact can be found by clicking on the web hyperlink on this page.

Note: If the webpage is left idle for a period of time, you may have to re-agree to this disclaimer.

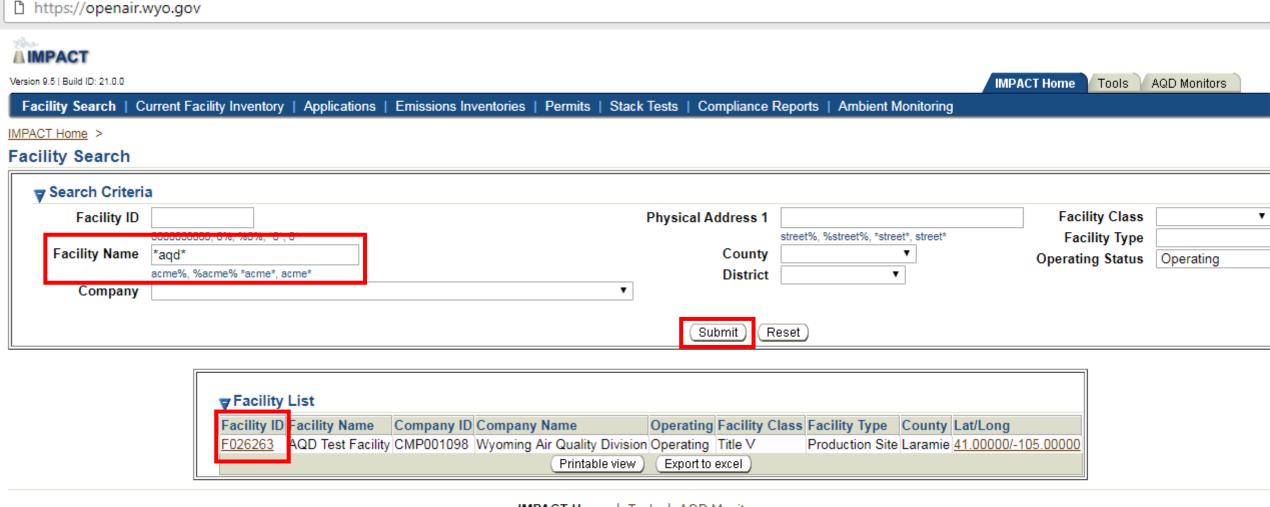


IMPACT Home | Tools | AQD Monitors

The Facility Search page is the page to begin searching for a facility for which more information is sought.

Use any of the search criteria to filter your search. Note: The Operating Status is set to "Operating" by default, but this may be changed.

The next slide will describe how to search for a facility by Facility Name.



IMPACT Home | Tools | AQD Monitors

Use text strings to search for facilities by Facility Name. Asterisks or the percent symbols are used for searching text fields in IMPACT, as seen in the image above. The search fields will find the exact text string entered between the asterisks or percentage symbols. For example, the search shown above will find any Facility Name with the text string, "aqd," in its name.

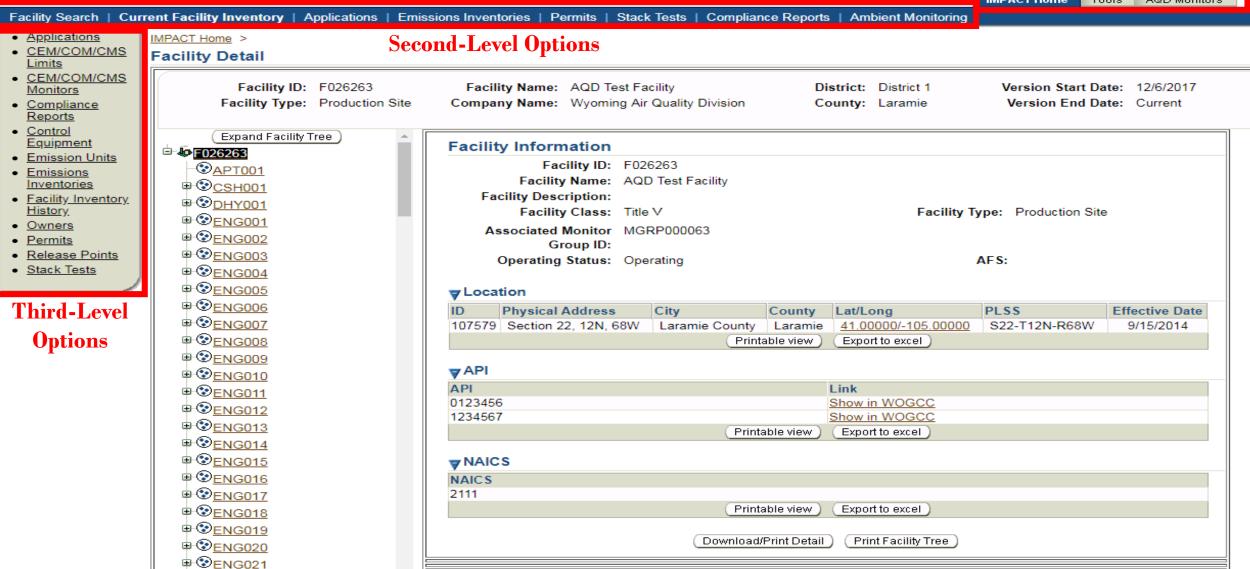
The system is not case-sensitive. Click the Submit button to execute the search. Click on the Facility ID hyperlink to view more details for a specific facility retrieved in the search results (Facility Detail Page).

AIMPACT

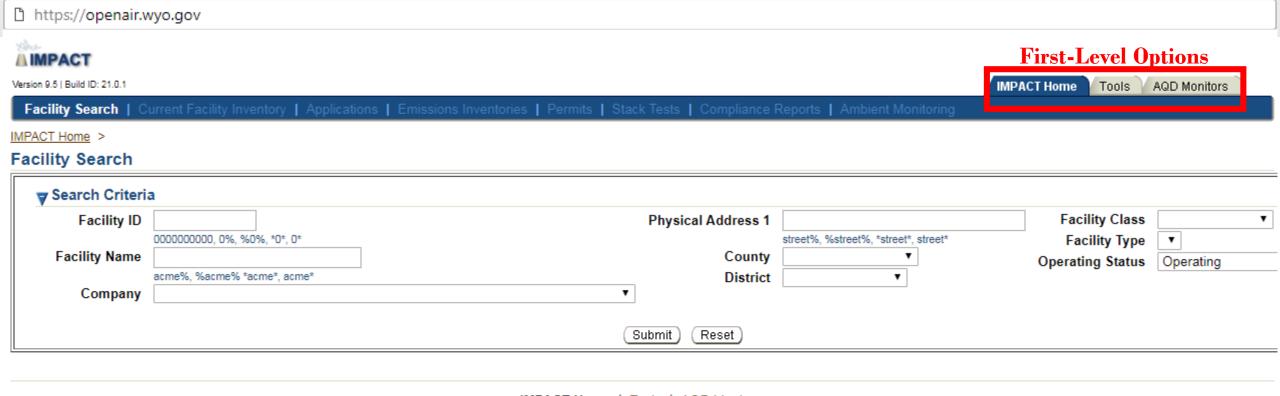
The Facility Detail Page has many areas which a user may click on to view additional facility information. The next slides will cover the selectable first, second, and third-level menu options.

First-Level Options

IMPACT Home Tools AQD Monitors



First-Level Menu Options

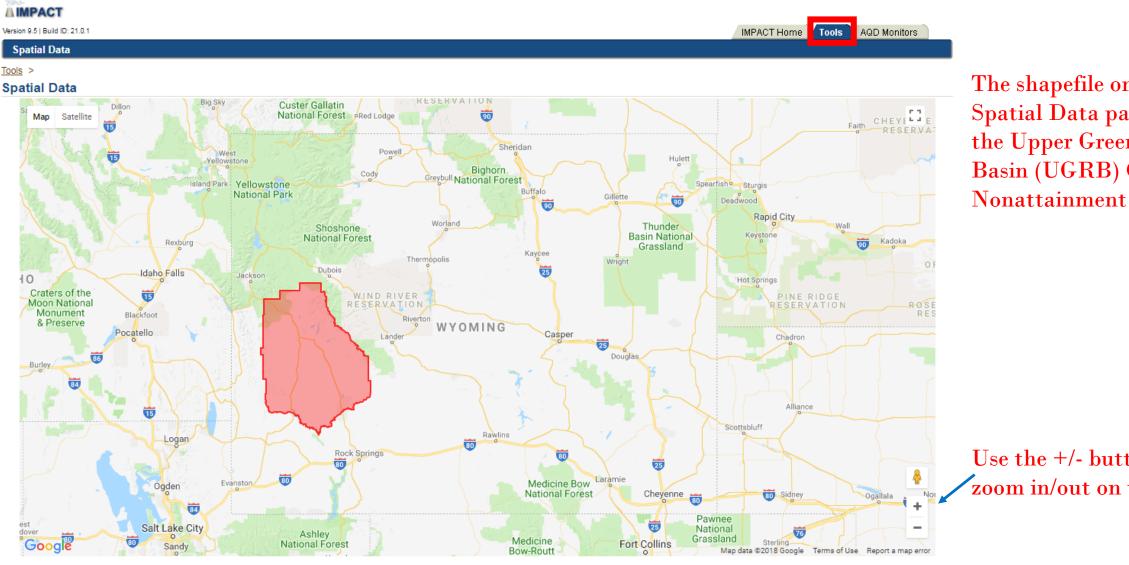


IMPACT Home | Tools | AQD Monitors

The First-Level menu options are higher-level options for navigation.

- IMPACT Home Click on this option to navigate to the Facility Search screen.
- Tools Click on this option to navigate to the Spatial Data screen. The Upper Green River Basin (UGRB) Ozone Nonattainment Area is shown on the following map.
- AQD Monitors Click on this option to view Air Quality Division (AQD) monitor information.

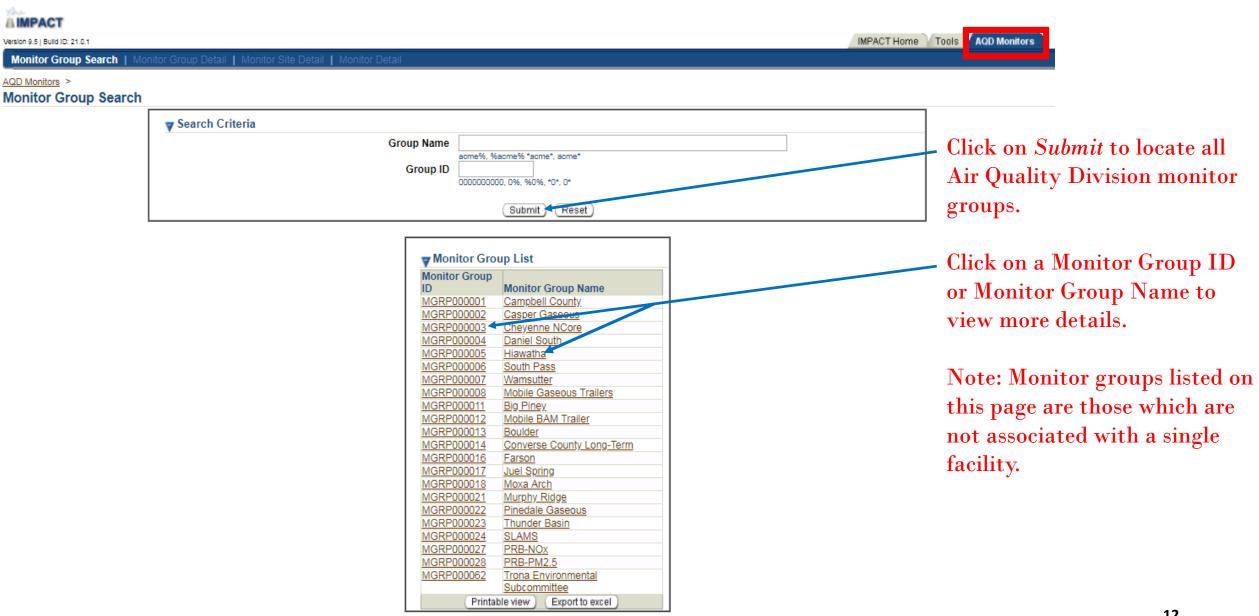
Spatial Data Page – Accessed by clicking on *Tools*



The shapefile on this Spatial Data page displays the Upper Green River Basin (UGRB) Ozone Nonattainment Area.

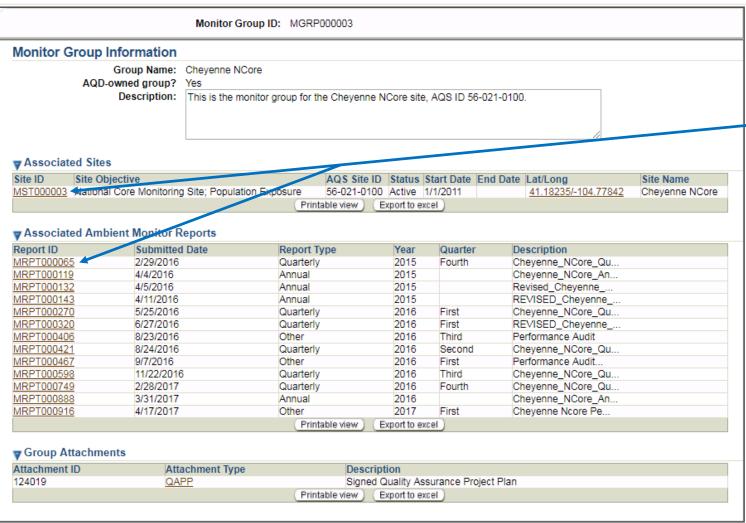
Use the +/- buttons to zoom in/out on the map.

AQD Monitors Page – Accessed by clicking on AQD Monitors



Monitor Group Information

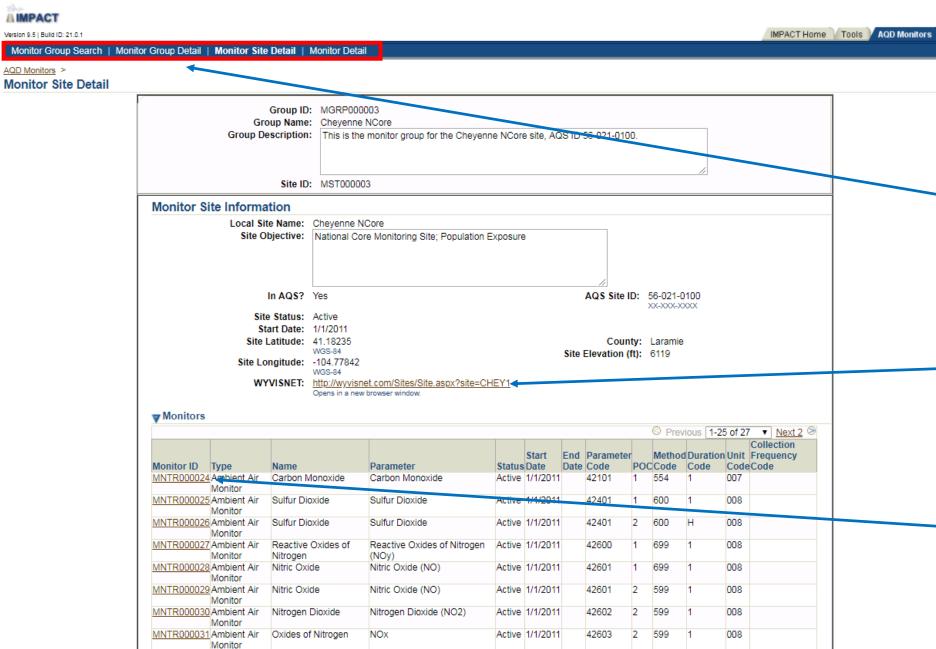




Monitor groups may contain several associated Monitor Sites and associated Monitor Reports.

To view more details, click on a hyperlink for a Monitor Site ID or a Monitor Report ID.

Monitor Site Detail Page



The Monitor Site Detail page includes the monitor site location information.

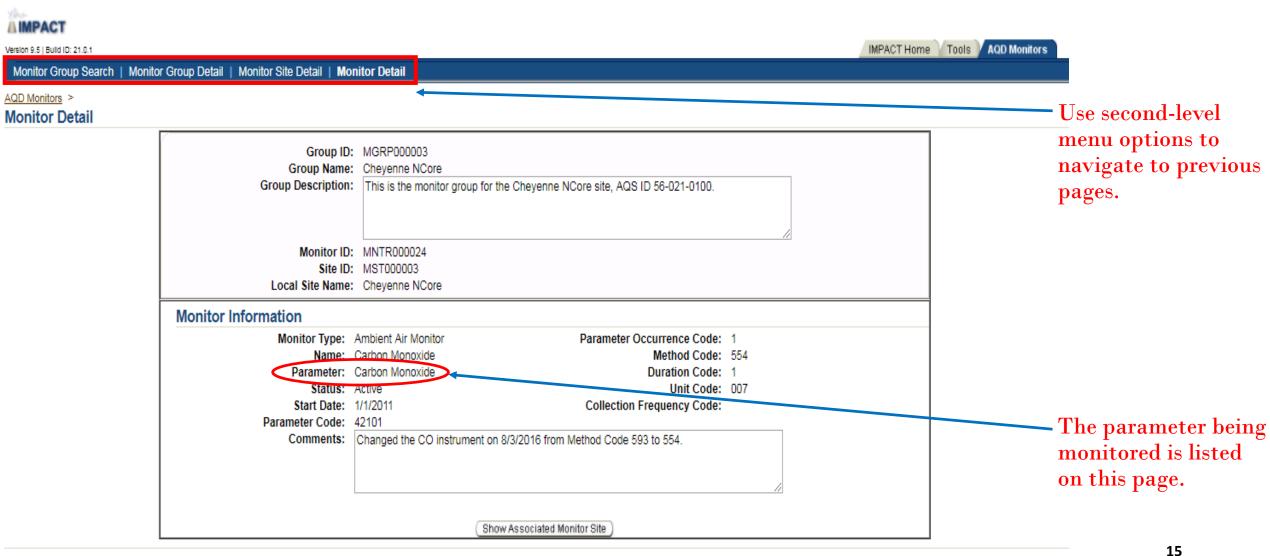
Use the second-level menu options to return to the previous monitor group search, monitor group detail page, or monitor detail page.

-WYVISNET Link – This weblink takes the user to the Wyoming Air Quality Monitoring Network Website for this specific monitor site.

Click on one of the individual Monitor IDs to find additional information about specific parameters being monitored at the site.

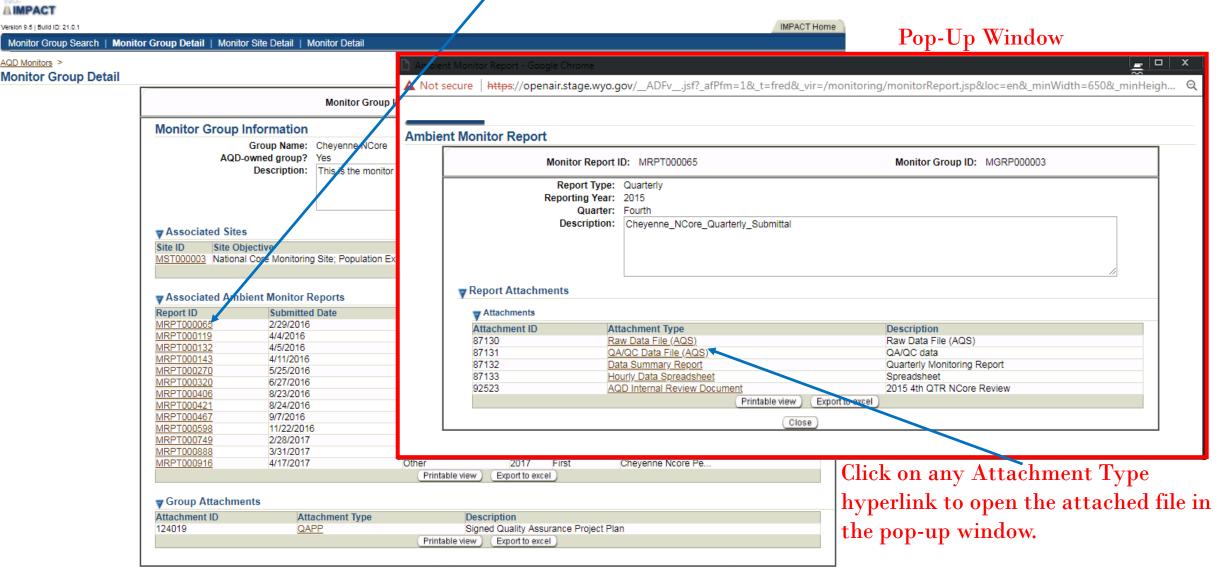
Monitor Detail Page

The Monitor Detail Page is displayed after clicking on a Monitor ID on the Monitor Site Detail Page. The Monitor Detail page includes additional information about the monitor.



Ambient Monitor Report Pop-Up Window

Accessed by clicking on a Monitor Report ID from Monitor Group Detail page.



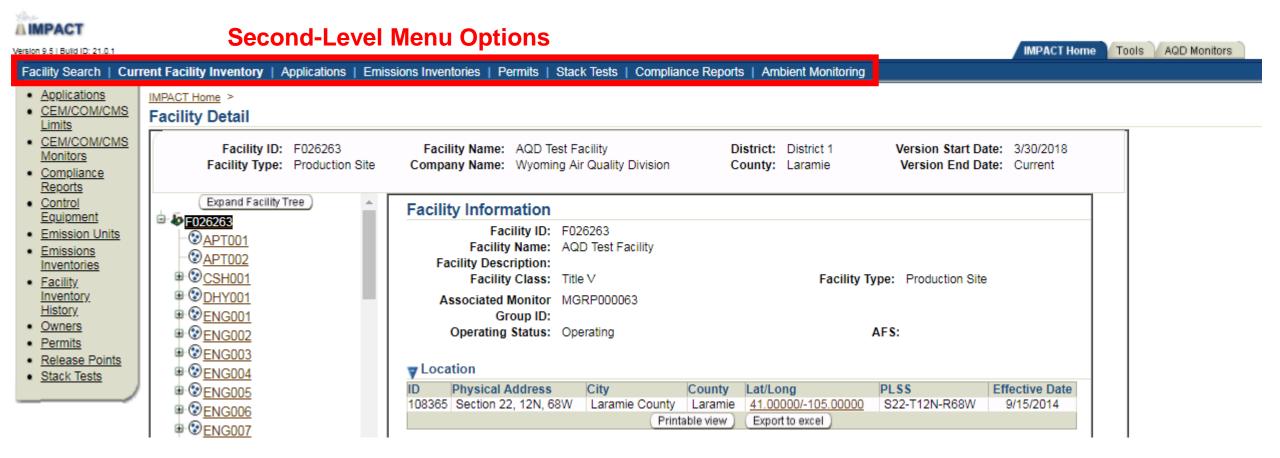
Note: Monitoring reports and data go through a review and versioning process.

Please use the most recent version of a monitoring report.

Second-Level Menu Options

Second-Level Menu Options

Accessed by clicking on any of the options here.

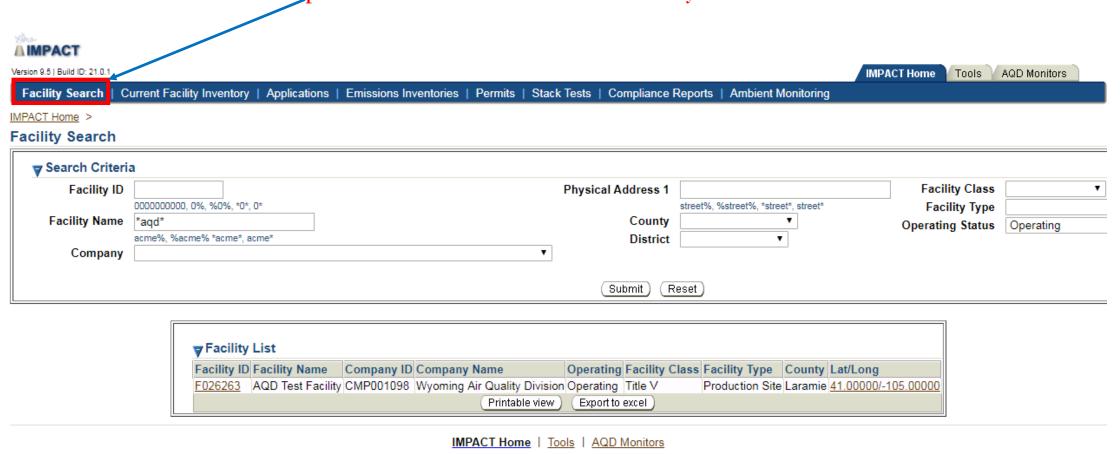


Second-Level Menu Options Explained

- **1.** Facility Search (Slide #20) Return to Facility Search screen.
- 2. Current Facility Inventory (Slide #21) View facility information and equipment information.
- **3. Applications** (Slides #22-24) View submitted New Source Review (NSR) and Title V permit applications for the facility.
- **4. Emissions Inventories** (Slides #25-26) View approved emissions inventories for the facility.
- 5. Permits (Slide #27) View final issued New Source Review (NSR) and Title V permits for the facility.
- **6. Stack Tests** (Slides #28-29) View reviewed stack tests for the facility.
- 7. Compliance Reports (Slides #30-31) View reviewed compliance reports for the facility.
- **8. Ambient Monitoring** (Slides #32) View any associated monitor groups for the facility.

Facility Search

This second-level menu option takes the user back to the facility search screen.



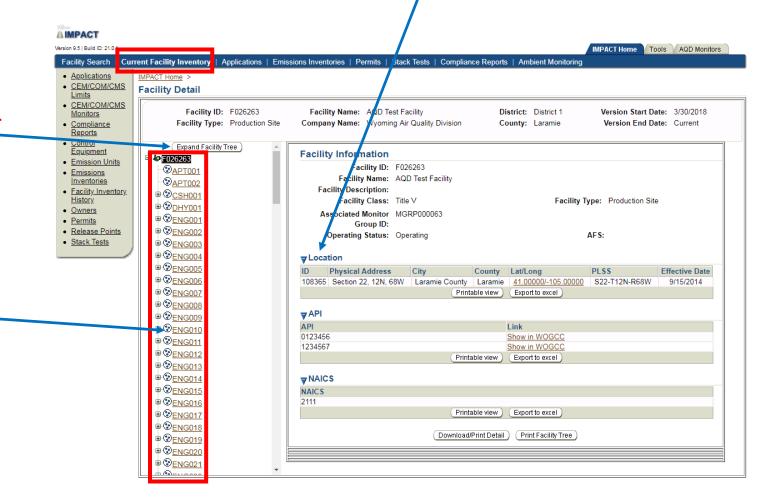
Current Facility Inventory

This second-level menu option takes the user back to the Facility Detail screen.

View current equipment information here as well as facility location information.

Push Expand Facility
Tree button to view
the entire equipment
configuration at the
facility.

Click on a piece of equipment to view additional information.



Equipment is labelled as follows.





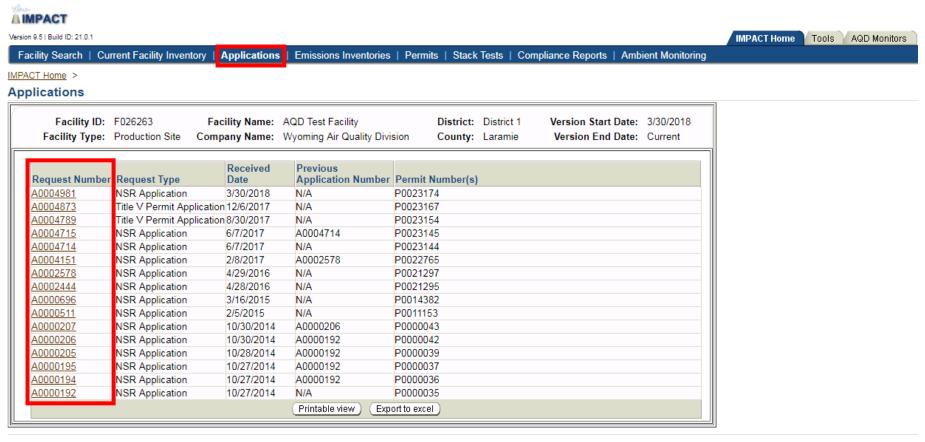
3. Control Device:

4. Release Point:



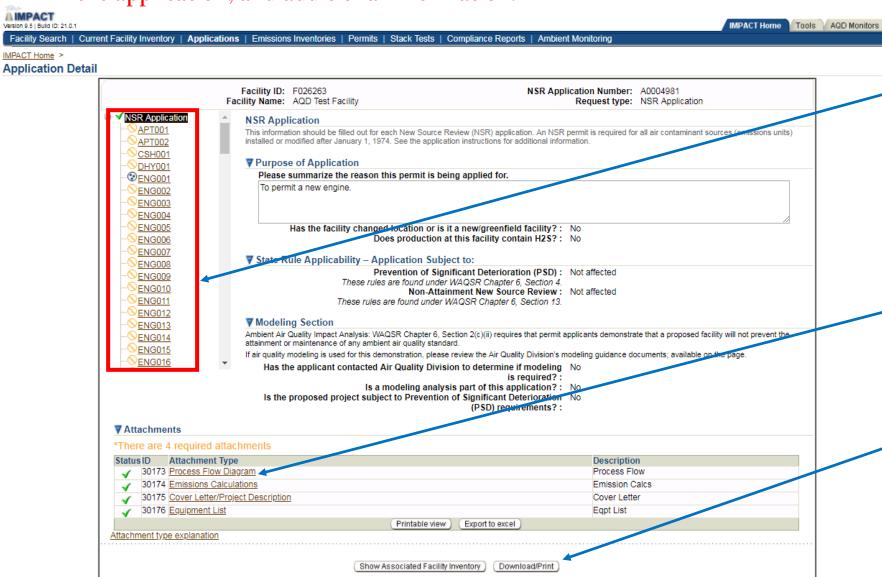
Applications

This second-level menu option takes the user to the facility's submitted NSR and Title V permit applications. Click on any *Request Number* to obtain additional application details.



Application Detail – NSR Permit Application

The Application Detail cover page shows the reason for the permit application, emission units included in the application, and additional information.



Included emissions units in the application appear on the far left with a circle and 3 dots (③). Excluded emission units have an omit symbol (○) next to them. Click on an included emission unit to obtain additional information.

Click on any of the Attachment Type links to view the attached document.

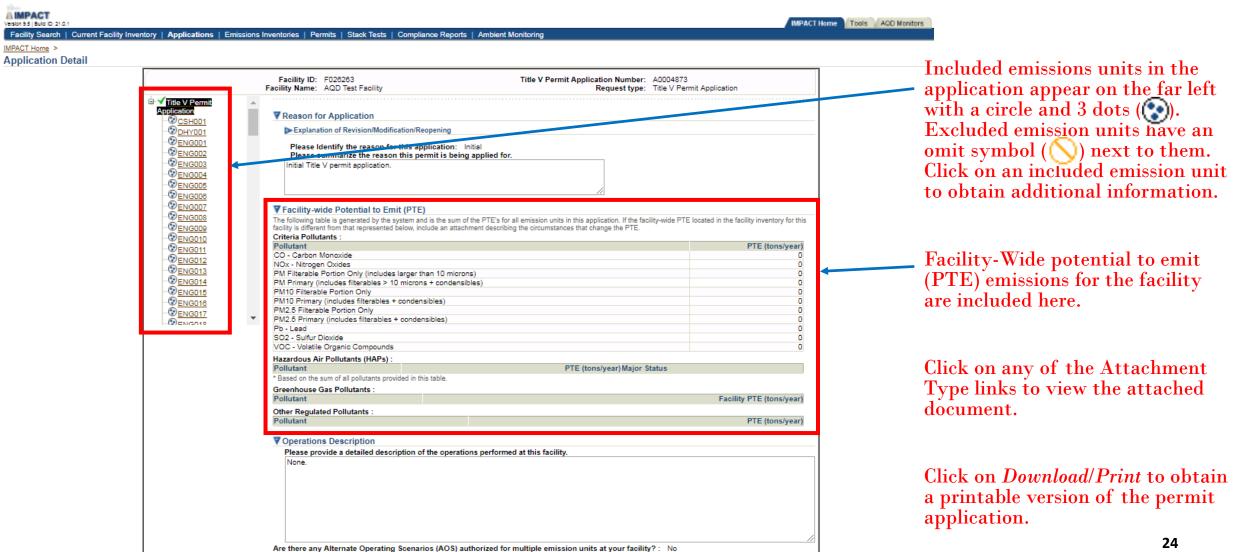
Click on *Download/Print* to obtain a printable version of the permit application.

Application Detail – Title V Permit Application

* The attachment must include a list of each emissions unit affected by the scenario, the SIC code(s) for processes and products

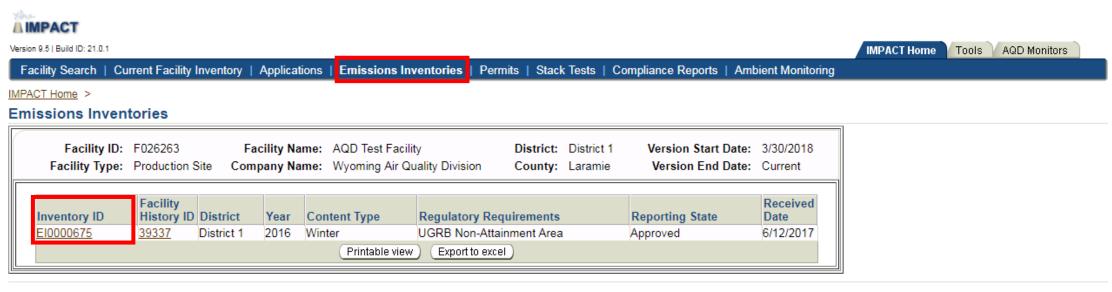
associated with the AOS, as well as the requirements that apply during the AOS.

The Application Detail cover page shows the reason for the permit application, emission units included in the application, and additional information. A Title V permit application will look different than a New Source Review application.



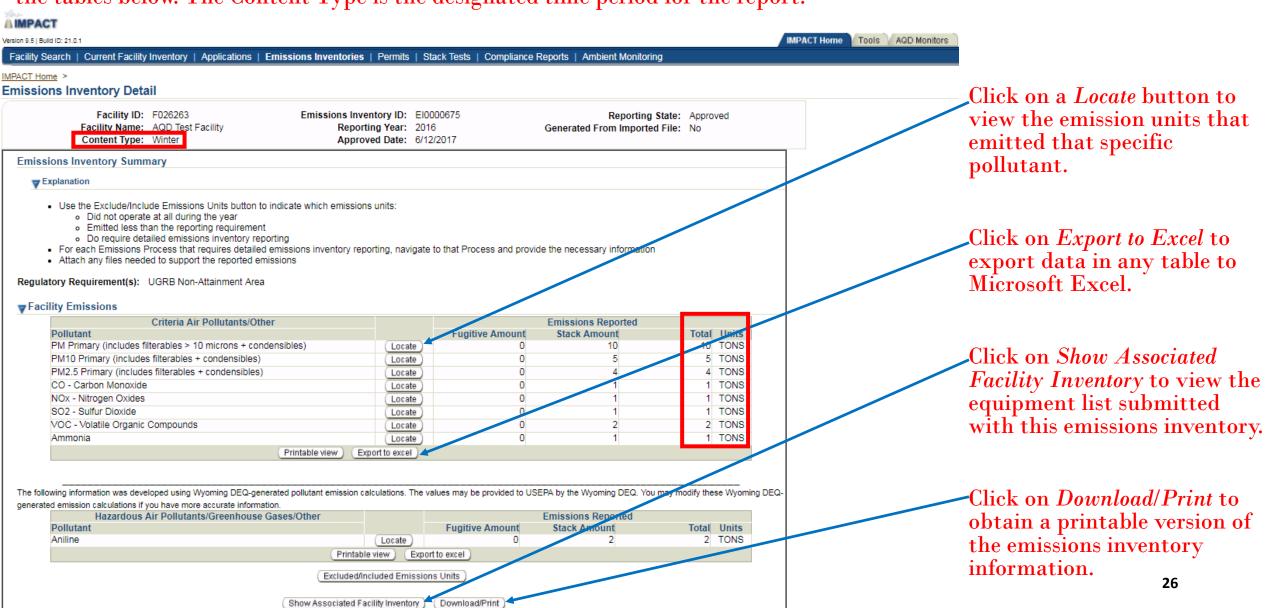
Emissions Inventories

This second-level menu option takes the user to the facility's approved emissions inventories. Click on any *Inventory ID* to obtain additional emissions inventory details.



IMPACT Home | Tools | AQD Monitors

Emissions Inventory Detail
The Emissions Inventory Detail Page displays additional emissions information. Total emissions per pollutant are shown in the tables below. The Content Type is the designated time period for the report.

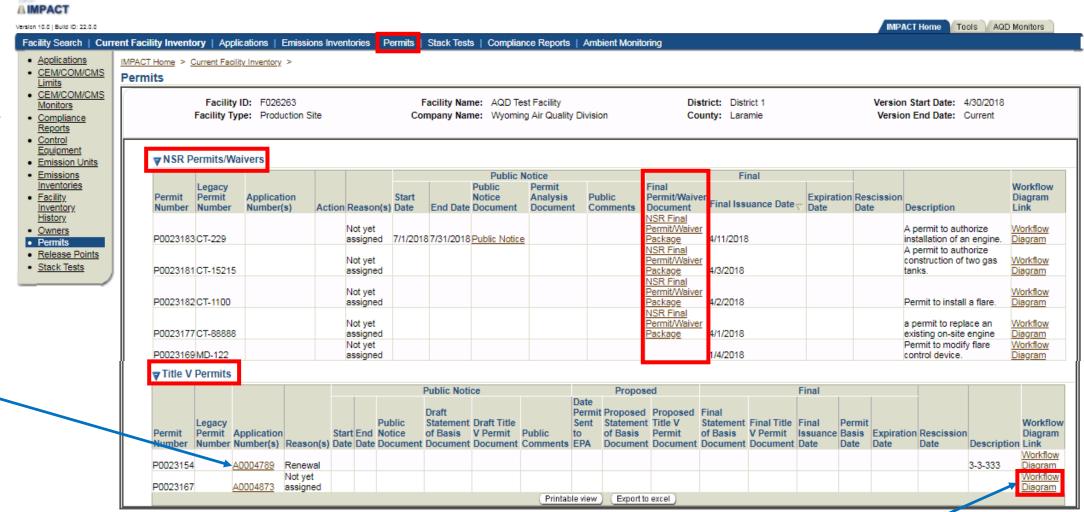


Permits

This second-level menu option takes the user to the facility's NSR and Title V permits. Click on any Final Permit/Waiver Document link to obtain the final permit/waiver document.

The upper permit table lists NSR permits/waivers. The bottom table lists the Title V permits.

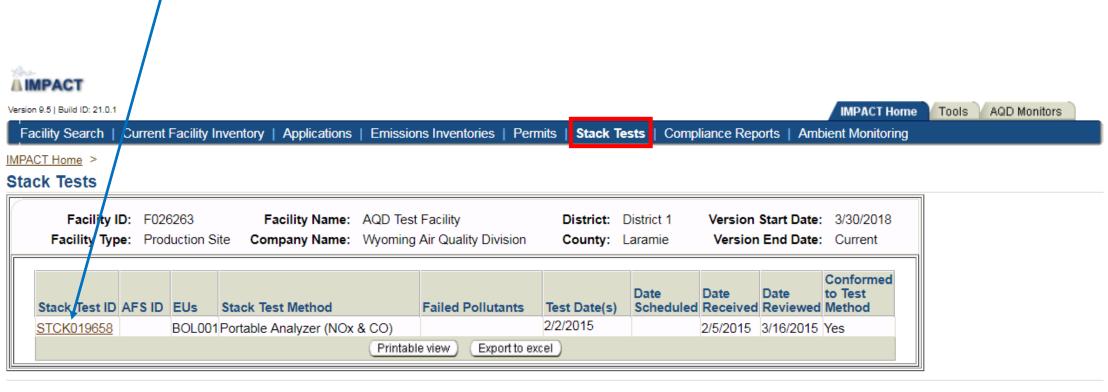
Click on an *Application Number* link to view the corresponding application.



Click on the Workflow Diagram link to view details on permitting progress.

Stack Tests

This second-level menu option takes the user to the facility's reviewed stack tests. Click on any *Stack Test ID* to obtain more stack test details.



Stack Test Detail

The Stack Test Detail Page shows additional details regarding the stack test.



The Stack Test Method is shown here along with pollutants tested.

The emission units tested can be viewed here.

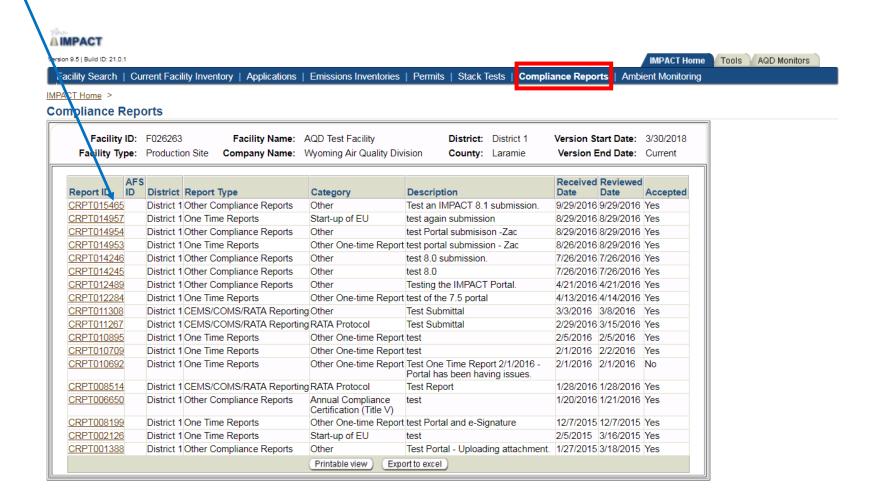
'Each pollutant's stack test results are located here.

The stack test document can be viewed in the Attachments grid.

Click on *Download/Print* to obtain a printable version of the stack test information.

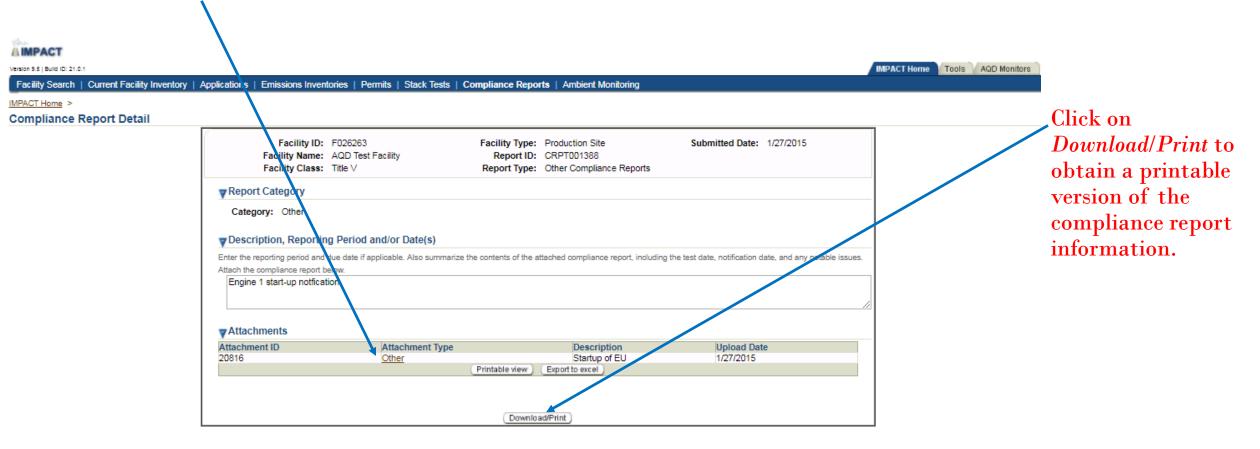
Compliance Reports

This second-level menu option takes the user to the facility's reviewed compliance reports. Click on any *Report ID* to obtain more details on the selected compliance report.



Compliance Report Detail

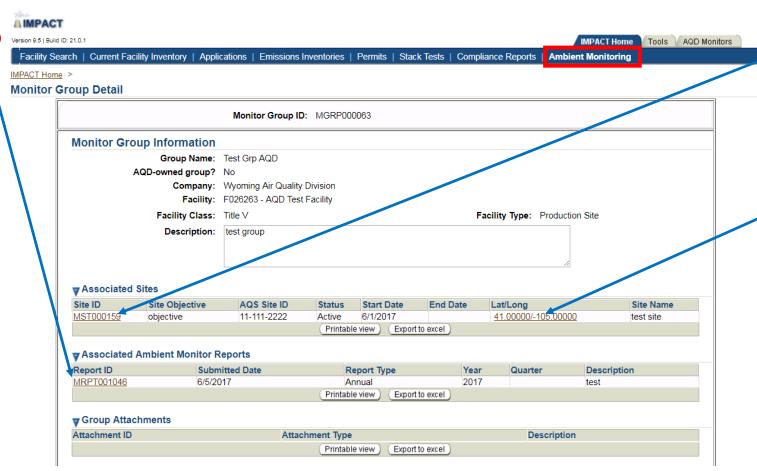
The Compliance Report Detail Page shows additional details for the selected compliance report. Click an Attachment Type hyperlink to view the attached file.



Ambient Monitoring

This second-level menu option takes the user to the facility's monitor groups and any submitted ambient monitoring reports. Note: Not every facility has ambient monitoring information. For additional guidance regarding options in the Ambient Monitoring section of IMPACT, see Slides #12-16.

Click on any *Report ID* to obtain additional report details.



Click on a Site ID to view additional details for a specific monitor site.

Click on the Lat/Long link to obtain a Google Maps view of the location of the monitor site in a separate pop-up window.

Third-Level Menu Options

Third-Level Menu Options Accessed by clicking on any of the options here.

Third-level menu options only appear if a user has clicked on the *Current Facility Inventory* link and is viewing the Facility Detail page. Facility third-level menu options are very similar to second-level menu options, however there are some differences.

Note: Only the menu options that are different from the second-level menu options will be covered in the following slides.



Third-Level Menu Options Explained

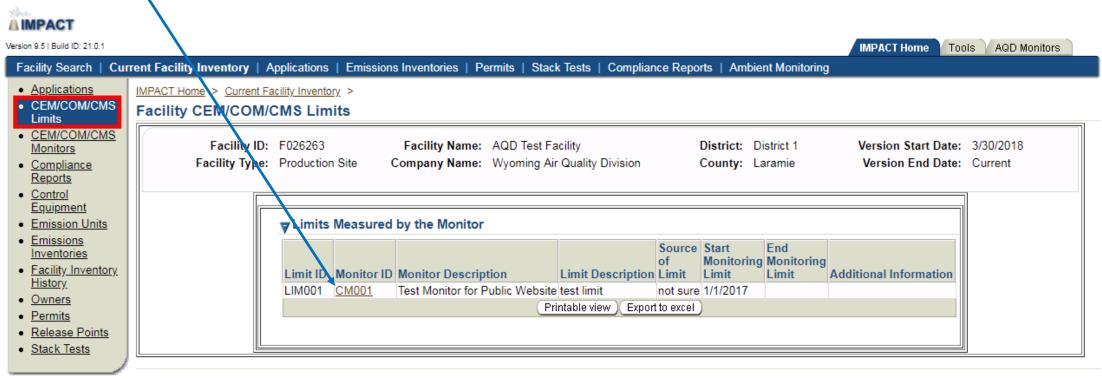
Third-level options appear on the Facility Detail page.

Note: Only the options that are different from the secondlevel options will be covered in the following slides.

- **1. Applications** (Slides #22-24) View submitted New Source Review (NSR) and Title V permit applications for the facility.
- 2. CEM/COM/CMS Limits (Slide #36) View continuous emissions monitoring, continuous opacity monitoring, and continuous monitoring system limits for the facility.
- 3. CEM/COM/CMS Monitors (Slide #37) View continuous emissions monitors, continuous opacity monitors, and continuous monitoring systems for the facility.
- **4. Compliance Reports** (Slides #30-31) View reviewed compliance reports for the facility.
- 5. Control Equipment (Slide #38) View control equipment that are in the facility's current facility inventory.
- **6. Emission Units** (Slide #39) View emission units that are in the facility's current facility inventory.
- 7. Emissions Inventories (Slides #25-26) View approved emissions inventories for the facility.
- **8.** Facility Inventory History (Slide #40) View past versions of the facility's inventory (equipment list).
- 9. Owners (Slide #41) View ownership change information (past/current owners of facility).
- **10. Permits** (Slide #27) View final issued New Source Review (NSR) and Title V permits for the facility.
- 11. Release Points (Slide #42) View release points that are in the facility's current facility inventory.
- **12. Stack Tests** (Slides #28-29) View reviewed stack tests for the facility.

CEM/COM/CMS Limits

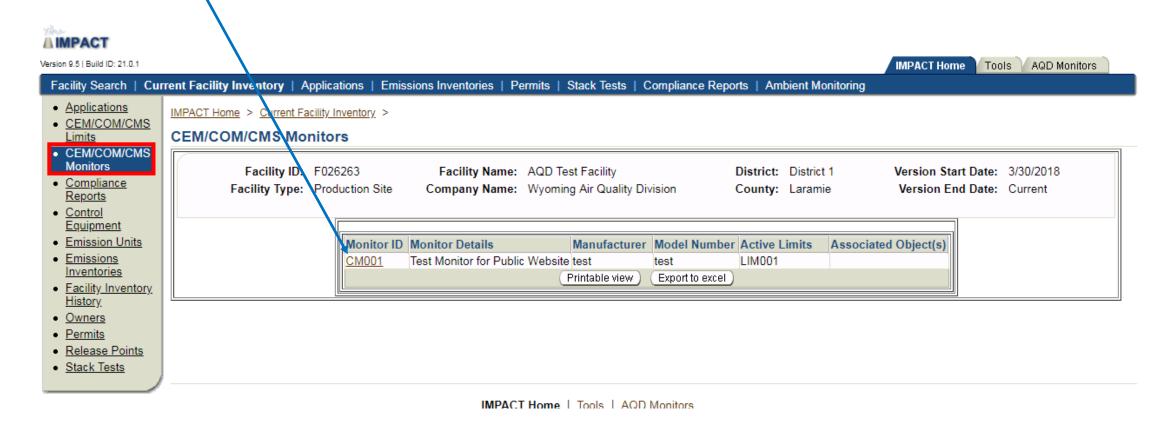
This third-level menu option takes the user to the facility's CEM/COM/CMS limits. Click on any *Monitor ID* to obtain additional details.



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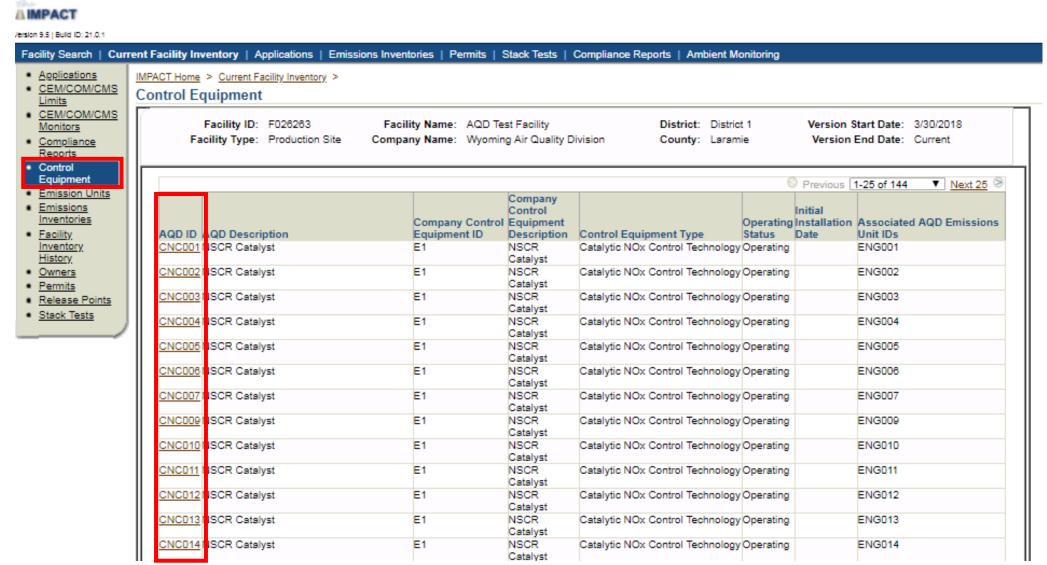
CEM/COM/CMS Monitors

This third-level menu option takes the user to the facility's CEM/COM/CMS monitors. Click on any *Monitor ID* to obtain additional details.



Control Equipment

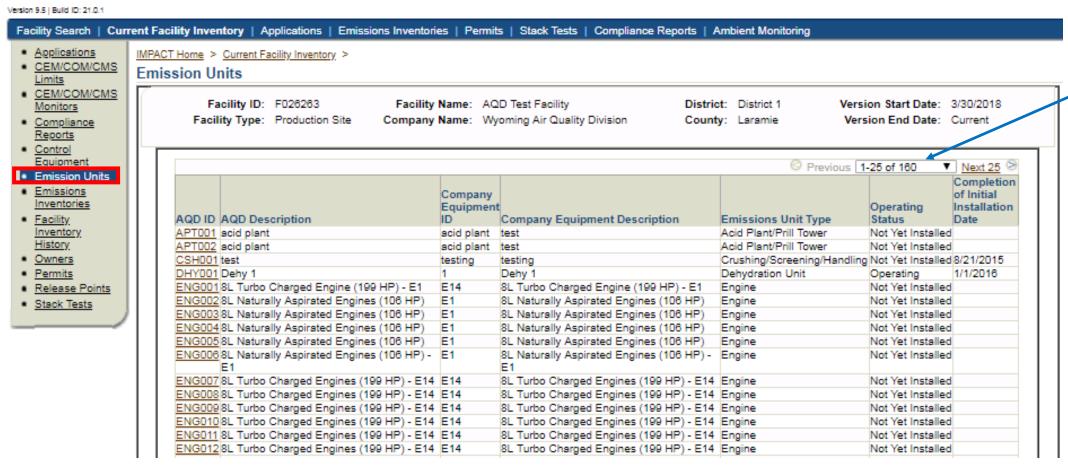
This third-level menu option takes the user to the facility's list of control equipment. Click on an AQD ID to view additional control equipment details.



Emission Units

This third-level menu option takes the user to the facility's list of emission units. Click on an *AQD ID* to view additional emission unit details.

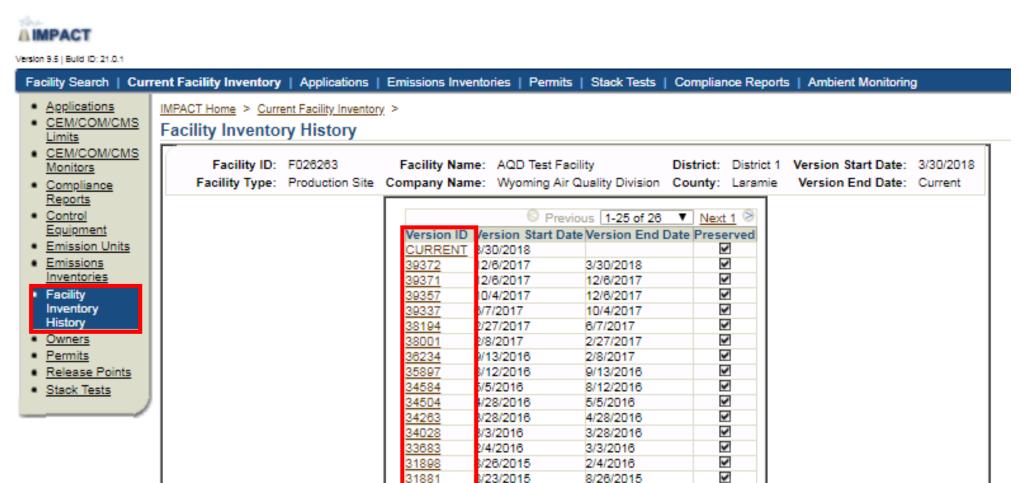




Select the *Show All* option in the drop-down to display all emission units for the facility.

Facility Inventory History

This third-level menu option takes the user to a list of historical versions of the facility. Click on any *Version ID* to obtain additional details on a previous version of the facility inventory.



1/26/2015

/19/2015

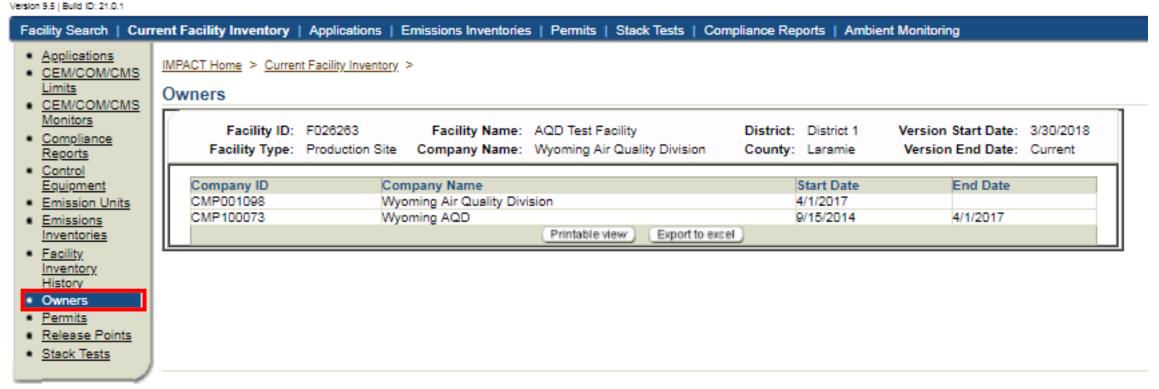
8/23/2015

6/26/2015

Owners

This third-level menu option shows the facility's ownership information. The current owner is on the top line without an End Date. Any previous owners are shown with a Start Date and End Date.

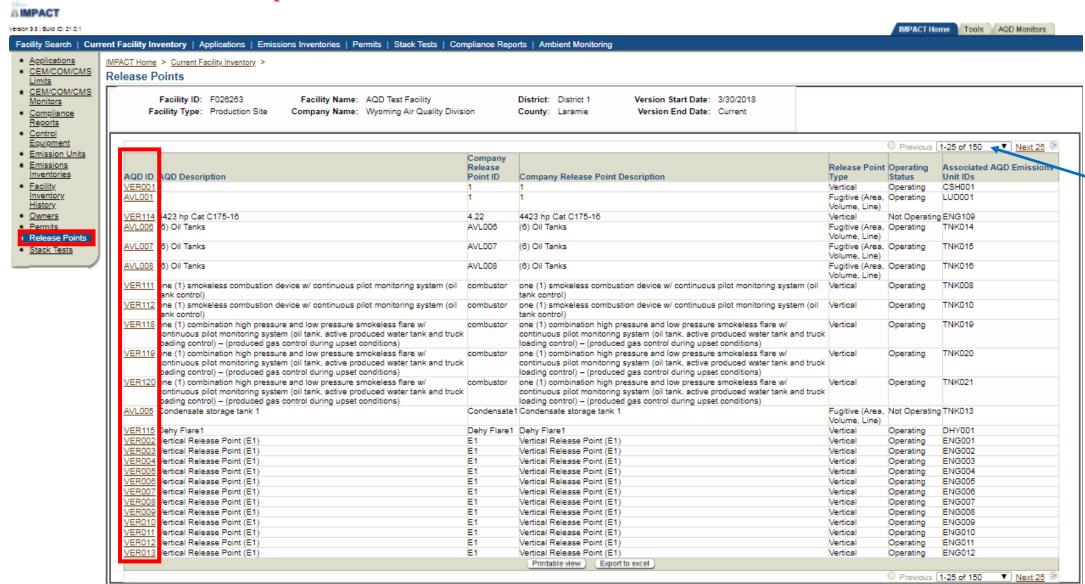




IMPACT Home | Tools | AQD Monitors

Release Points

This third-level menu option takes the user to the facility's list release points. Click on an *AQD ID* to view additional release point details.

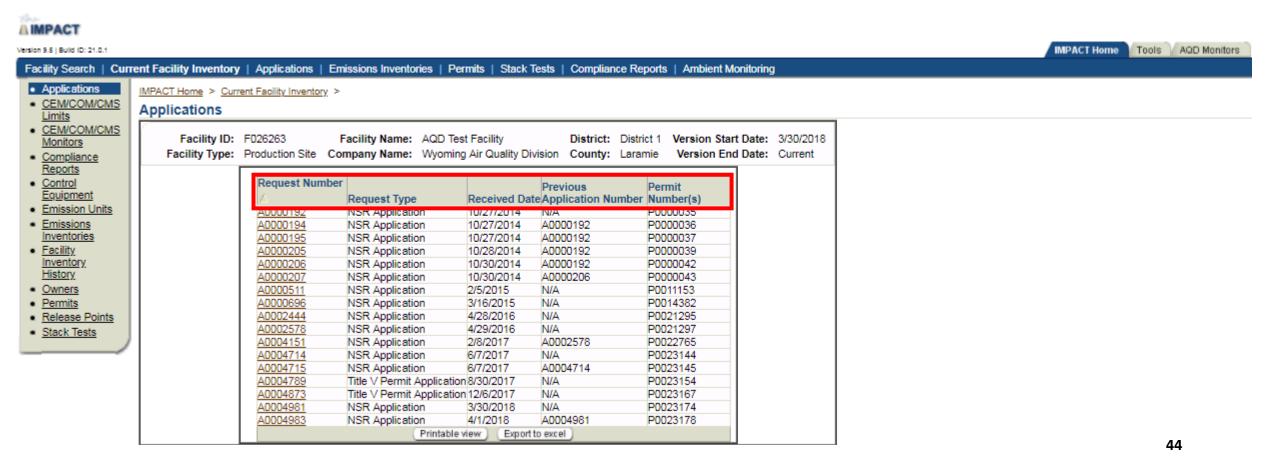


Select the Show All drop-down option to display all release points for the facility.

Miscellaneous Items

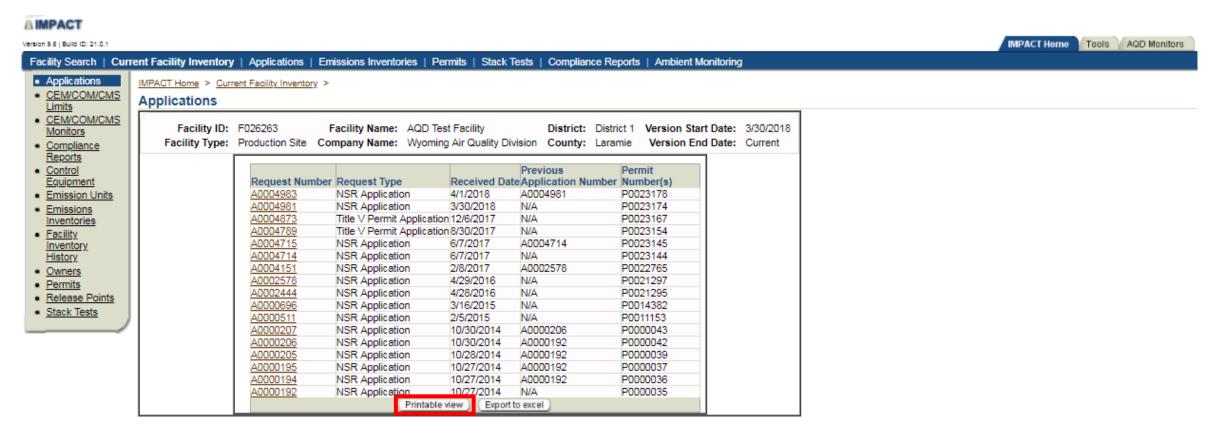
Sorting Table Columns Alphabetically

All table column headers may be clicked on once to sort alphabetically or numerically. Click on a column header again to sort reverse-alphabetically or reverse-numerically.



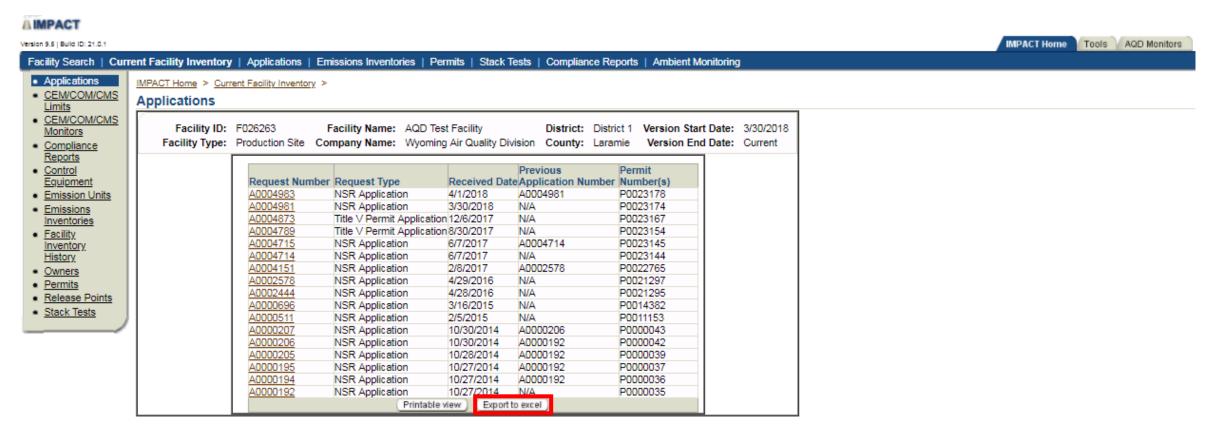
Printable View

All tables in IMPACT have a *Printable View* button. Push this button to open any table in a more printer-friendly version.



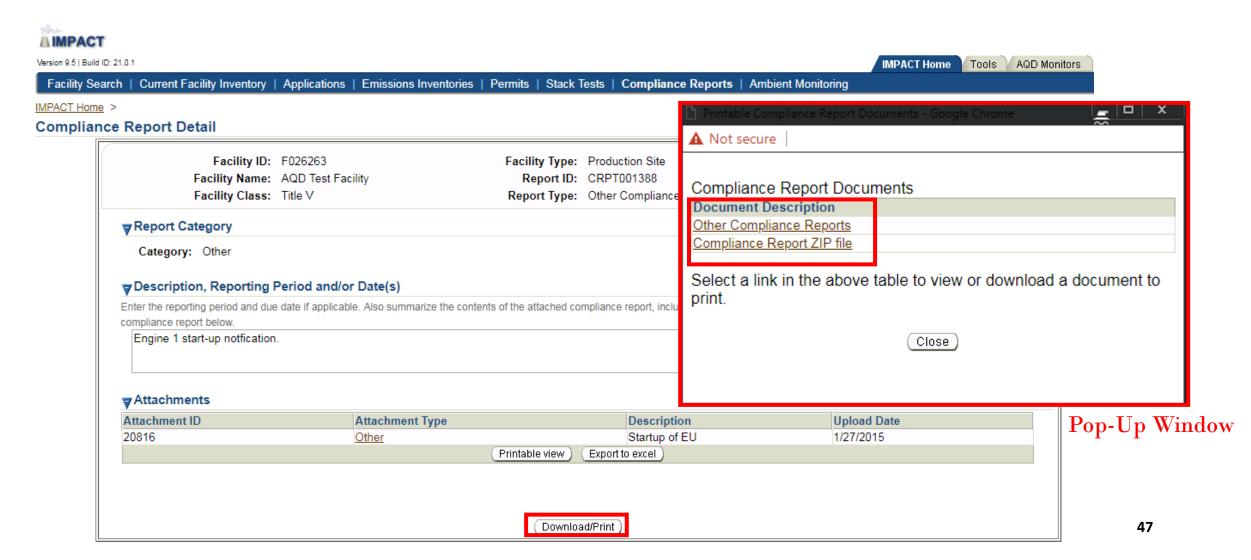
Export to Excel Feature

All tables in IMPACT have an *Export to Excel* button. Push this button to download and open any table in Microsoft Excel.



Download/Print

Located on the bottom of many IMPACT pages, there is a *Download/Print* button. Click this button and a separate pop-up window will provide options to download results to a PDF or ZIP file. Click on one of the options to obtain a downloadable version of the report or document.



Division Contacts

IMPACT Team Contact Information & Help

Email Questions to: <u>deq-air-impact@wyo.gov</u>

General Phone Number for Questions: 307-777-7391

 For OpenAir assistance, please ask to speak to a member of the IMPACT Team

